



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/823,300	03/29/2001	Eric Koenig	MULTI-TASK- CELL PHONE	6848
4988	7590	11/30/2004	EXAMINER ABDULSELAM, ABBAS I	
ALFRED M. WALKER 225 OLD COUNTRY ROAD MELVILLE, NY 11747-2712			ART UNIT 2674	PAPER NUMBER

DATE MAILED: 11/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/823,300

Applicant(s)

KOENIG, ERIC

Examiner

Abbas I Abdulsalam

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 August 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 7 and 10-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 7 and 10-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see # 11, filed on 08/16/04, with respect to the rejection(s) of claim(s) 7 and 10-23 under U.S.C. (103a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Miyashita (USPN 6327482).

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 7 and 10-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lebby et al. (US Patent 6158884) in view of Miyashita (USPN 6327482).

As to claim 7, Lebby et al. teaches a handheld wireless telecommunications unit displaying images to a user (integrated communicative watch as portable electronic equipment, column 1, lines 1-9, cellular phone, column 6, lines 58-62) comprising: a hand-held body having a keypad (wristband 26 with numeric keypad 28 as shown in figure 1 A); a display displaying at least one visually perceptible display (watch face 14 shown in figure 1A, column 3, lines 31-33) and at least one auditory display (speaker and microphone means 16 and 18, column 3, lines 33-34), wherein: said visually perceptible display comprises at least one central display screen (watch display is central screen shown in figure 1 A) and at least one additional screen disposed from said central screen (display 27 shown in figure 1A, column 5, lines 52-55); wherein said at least one additional screen is guided and deployed in a co-planar position relative to said central screen of said hand-held

Art Unit: 2674

body of said wireless telecommunications unit (display 27 is coplanar to watch face 14 as shown in figure 1A); and wherein said at least one additional screen is guided between an outward deployed position (as shown in figure 1A) and an inward storage position (housed within electronic unit 12 when not in use, column 5, lines 54-55); and, wherein said at least one additional screen is attached slidably within said body of said unit (display 27 is a slideout display shown in figure 1A, column 5, lines 51-54) However, Lebby et al. fail to teach "said slidable at least one additional screen is spring deployable, and wherein said slidably attached at least one additional screen slides with urging from said spring between an outward deployed position and an inward storage position". Miyashita on the other hand teaches as shown in FIG. 3 an auxiliary display (9) folded with its screen (9a) overlying the main display (7). Miyashita teaches that the auxiliary display connectable, and slides into an opening in a side of the main body in a closed position. (Fig. 3(A-B) and col. 6, lines 37-38). Miyashita also teaches as shown in FIGS. 4A and 4B an apparatus body (1), and which is formed with a storing portion (9d) for storing the auxiliary display (9) in its one side. Miyashita illustrates this in FIG. 4A where the auxiliary display (9) is retracted into the storing portion (9d) while FIG. 4B shows it is pulled out of the storing portion (9d) to a pre-selected position where the whole screen 9a appears. Furthermore, Miyashita indicates connectors (not shown) that are arranged in the auxiliary display (9) and apparatus body (1) such that the display (9) and apparatus body (1) are electrically connected (col. 3, lines 1-15).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Lebby et al's display as used in communicative watch to adapt Miyashita's foldable and slidable features of a display as shown in Fig. 3 (A-B), and an arrangement of as shown in Fig. 4 (A-B). One would have been motivated in view of the suggestion in Miyashita the foldable and slidable features as configured in Figs 3-4 satisfy the desired "slidably attached additional screen".

Art Unit: 2674

The use of auxiliary and slidable display helps make up displays of any mobile and potable apparatus or device as taught by Miyashita (col. 5, lines 25-31).

Moreover, it would have been obvious to utilize Miyashita's teaching of connection with respect to components in Fig. 4 for the purpose of disposing an additional display screen on a main display screen. One would have been motivated in view of the suggestion that connectors are functionally equivalent to the desired spring.

As to claim 10, Miyashita teaches said telecommunications unit is a cellular telephone (Fig. 1 & col. 5, lines 27-30).

As to claim 11, Miyashita teaches said telecommunications unit is a wireless personal digital assistant (Fig. 1 & col. 5, lines 27-30).

As to claim 12, Miyashita teaches telecommunications unit is wireless Internet Web based personal electronic organizer (Miyashita teaches user receives data via Internet, column 4, lines 28-32).

As to claim 13, Lebby et al. teach said visually perceptible display is at least one liquid crystal display screen (Lebby et al., liquid crystal display, column 5, lines 62-63). In addition Miyashita teaches said visually perceptible display is at least one liquid crystal display screen (Miyashita, main display implemented by an LCD, column 2, lines 20-21).

As to claim 14, Lebby et al. teach said auditory display includes at least one sound producing means (Lebby et al., speaker means 16 shown in figure 1A).

As to claim 15, Miyashita teaches said at least one additional slidably attachable screen is a plurality of screens (see Fig. 3 (A-B)).

As to claim 16, Lebby et al. teach said at least one slidably attached screen comprises at least one screen slidably attached to the left side of said at least one central display (Lebby et al. display 27 is slidably attached to wrist face shown in figure 1 A).

Art Unit: 2674

As to claim 17, Lebbby et al. teach said at least one slidably attached screen comprises at least one screen slidably attached to the right side of said at least one central display (Lebbby et al. display 27 is slidably attached to wrist face shown in figure 1 A).

As to claim 18, Miyashita teaches at least one screen slidably attached to the left of said central display and at least one screen slidably attached to the right of said central display. (it is obvious to a person of ordinary skill in the art to provide additional screen on each side of the radiotelephone housing as a design choice to accommodate the user with a variety of text and graphic applications as necessary.)

As to claim 19, Lebbby et al. teach at least one additional screen is coplanar with said at least one central display (Lebbby et al. display 27 is coplanar with wrist face shown in figure 1A).

As to claim 20, Miyashita teaches central display screen as LCD (Fig. 3 (7) and col. 2, line 63) and it is obvious that said at least one central display screen powered by a first driver electronics circuitry controlled by imaging software and said at least one additional screen is powered by a separate driver electronics circuitry controlled by imaging software. (Miyashita teaches controller 16 includes a CPU and semiconductor memories, column 3, lines 26-27, therefore image software has to exist in said memories and executed by said CPU for displaying images).

As to claim 21, Miyashita teaches said central display and said at least one additional screen both powered by a common driver electronics circuitry controlled by imaging software (electric circuitry shown in figure 5 has to have power source to energize the mobile radio apparatus, controller 16 drives both main display 7 and auxiliary display 9 shown in figure 5). Note that Miyashita teaches controller 16 includes a CPU and semiconductor memories, column 3, lines 26-27, therefore image software has to exist in said memories and executed by said CPU in order to display images).

As to claim 22, Miyashita teaches said at least one central display displays a first image on a screen powered by a first driver electronics circuitry controlled by imaging software (electric circuitry

Art Unit: 2674

shown in figure 5 has to have power source to energize the mobile radio apparatus, controller 16 drives both main display 7 and auxiliary display 9 shown in figure 5) and said at least one additional screen displays a second image on said additional screen powered by said second driver electronics circuitry controlled by imaging software (note that Miyashita teaches controller 16 includes a CPU and semiconductor memories, column 3, lines 26-27, therefore image software has to exist in said memories and executed by said CPU in order to display images). It is an obvious design choice to a person of ordinary skill in the art to provide separate driving hardware for each display.

As to claim 23, Miyashita teaches said at least one central display and said at least one additional screen display respective portions of a single image (Miyashita, figure 2A indicates character string HIJKL on auxiliary display 9 as a continuation of string ABCDEFG on main display 7, column 2, lines 37-42).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following art is cited for further reference.

U.S. Pat. No. 6,771,237 to Kalt

4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Abbas Abduselam** whose telephone number is **(703) 305-8591**. The examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached at **(703) 305-4709**.

Any response to this action should be mailed to:

Commissioner of patents and Trademarks

Art Unit: 2674

Washington, D.C. 20231

or faxed to:

(703) 872-9314

Hand delivered responses should be brought to Crystal Park II, Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology center 2600 customer Service office whose telephone number is (703) 306-0377.

Abbas Abdulsalam

Examiner

Art Unit 2674

November 24, 2004


XIAO WU
PRIMARY EXAMINER